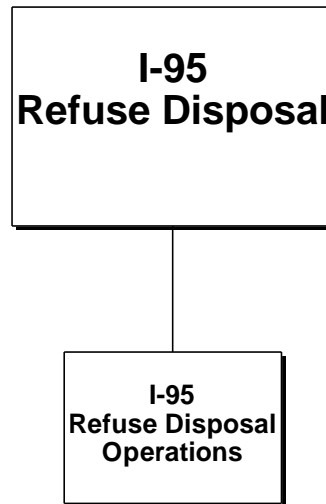


**DEPARTMENT OF PUBLIC WORKS
AND ENVIRONMENTAL SERVICES
SOLID WASTE MANAGEMENT**



FUND 114

I-95 REFUSE DISPOSAL

Agency Position Summary

37 Regular Positions / 37.0 Regular Staff Years

Position Detail Information

I-95 REFUSE DISPOSAL

2	Engineers III
1	Engineer II
2	Engineer Technicians III
3	Engineer Technicians II
2	Engineer Technicians I
1	Survey Party Chief/Analyst
1	Survey Aide
1	Refuse Superintendent
3	Assistant Refuse Superintendents
1	Industrial Electrician II
1	Industrial Electrician I
8	Heavy Equipment Operators
1	Motor Equipment Operator
2	Weighmasters
1	Management Analyst I
1	Clerical Specialist
6	Public Service Workers I
37	Positions
37.0	Staff Years

FUND 114

I-95 REFUSE DISPOSAL

AGENCY MISSION

To manage the I-95 Landfill in such a manner as to provide a site where solid waste and recyclable materials from County citizens are gathered and properly disposed of, and a deposit site where ash from the Energy Resource Recovery Facility and other participating municipalities can be properly disposed.

AGENCY SUMMARY

Category	FY 1999 Actual	FY 2000 Adopted Budget Plan	FY 2000 Revised Budget Plan	FY 2001 Advertised Budget Plan	FY 2001 Adopted Budget Plan
Authorized Positions/Staff Years					
Regular	38/ 38	38/ 38	37/ 37	37/ 37	37/ 37
Expenditures:					
Personnel Services	\$1,657,832	\$1,747,728	\$1,660,342	\$1,800,223	\$1,843,372
Operating Expenses	2,022,137	2,831,104	2,854,508	2,263,730	2,263,730
Capital Equipment	105,927	141,200	372,596	370,500	370,500
Capital Projects	86,136	0	23,784,374	0	0
Total Expenditures	\$3,872,032	\$4,720,032	\$28,671,820	\$4,434,453	\$4,477,602

This fund is included within the Department of Public Works and Environmental Services (DPWES) reorganization. Please refer to the discussion in the Solid Waste Operations Overview.

Board of Supervisors' Adjustments

The following funding adjustments reflect all changes to the FY 2001 Advertised Budget Plan, as approved by the Board of Supervisors on April 24, 2000:

- The 2.5 percent cost-of-living/market rate adjustment approved by the Board of Supervisors, and previously held in reserve, has been spread to County agencies and funds. This action results in an increase of \$43,149 to Fund 114, I-95 Refuse Disposal.

The following funding adjustments reflect all approved changes to the FY 2000 Revised Budget Plan from January 1, 2000 through April 24, 2000. Included are all adjustments made as part of the FY 2000 Third Quarter Review:

- Net savings of \$52,432 in Personnel Services are associated with the Close Management Initiatives program. The net savings are returned to fund balance for reinvestment in future program initiatives.
- A reallocation of \$6,400,000 was made between Project 186435, Area 3 Lined Landfill, and Project 186650, Landfill Closure, to allow the construction of the next phase of the lined area that will be used for ash disposal. Expenditures remained unchanged as a result of this action.

FUND 114

I-95 REFUSE DISPOSAL

County Executive Proposed FY 2001 Advertised Budget Plan



Agency Overview

In FY 2001, Fund 114, I-95 Refuse Disposal, will continue to be responsible for the overall operation of the I-95 Landfill which is a multi-jurisdictional refuse deposit site dedicated to the disposal of ash generated by the County's Energy Resource Recovery (ERR) Facility. Ash deposits are also made by other jurisdictions including the Alexandria/Arlington Solid Waste Authority incinerator. It should be noted that prior to January 1996, disposal materials at the landfill included municipal solid waste (raw refuse) and other non-burnable materials. Beginning in January 1996, non-burnable materials and raw waste were no longer accepted at the landfill. At that time, other users were obligated to find alternative disposal sites. The County currently disposes of its non-burnable materials through several means. The first of which is disposal of non-burnable material at the Prince William Landfill through the refuse exchange agreement between Fairfax and Prince William Counties. The County also uses private contractors to dispose of some waste materials received from County sources that cannot be deposited in its landfill or in the Prince William Landfill.

The operational control of the I-95 Landfill was transferred from the District of Columbia (DC) to Fairfax County effective January 1, 1982 via a Memorandum of Understanding between the two parties. The County, through Fund 114, has provided the overall coordination of the landfill since that period. Operational requirements for Fund 114 include funding necessary to meet and maintain efficient disposal operations and various capital projects in order to meet local, State, and Federal mandates, and landfill closure requirements. Revenue for landfill operations is derived primarily from disposal charges (landfill disposal fee) paid by public and private refuse collectors; Fairfax County through Fund 110; the ERR Facility through Fund 112; and participating jurisdictions. Due to earlier planning, most reserve requirements in Fund 114 were met prior to the closing of the I-95 Landfill to municipal solid waste (MSW) in FY 1996 and are being maintained in fund balance until needed. The Division of Solid Waste Disposal and Resource Recovery implemented operational procedures in FY 1997 that revised the reserve structure of all funds that comprise the Division. These include Fund 110, Refuse Disposal; Fund 112, ERR Facility; and Fund 114, I-95 Refuse Disposal. The revised reserve structure allows the pooling and immediate use of all reserve balances within each fund rather than maintenance of separate reserves. Because all reserve balances within each specific fund can now be pooled, in conjunction with the agency's ability to allocate the reserve monies within funds, rate adjustments to obtain the necessary reserve funding for future requirements can be delayed or extended over a broader period.

Because significant interest earnings are being realized from the reserve balances in this fund, the agency in conjunction with the I-95 Technical Review Committee, subsequent to performing an assessment of impact, has proposed a reduction in the disposal fee for FY 2001. The agency concluded that the \$14.00 per ton disposal rate currently charged by Fund 114 could be reduced by \$2.50 from \$14.00 to \$11.50 per ton, yet still continue to meet reserve needs associated with future requirements. The proposed rate has been incorporated into the FY 2001 Advertised Budget Plan. The impact of this adjustment in FY 2001 is a \$.89 million reduction in revenue based on an estimated 355,672 tons of ash to be delivered to the landfill.

As a result of the reduction, Fund 112, ERR Facility, which pays Fund 114 for ash disposal, will be able to maintain the tip fee for incineration at the current rate of \$28 per ton. It also allows the agency more flexibility in negotiating competitive disposal rates within various disposal markets in order to attract more tonnage to the ERR Facility and meet the Guaranteed Annual Tonnage (GAT). It is estimated that 355,672 tons of ash will be deposited at the landfill in FY 2001 including 263,572 from ERR Facility operations and 92,100 from other jurisdictions and facilities. The FY 2001 tonnage estimate is a decrease of 6,267 tons, or 1.73 percent from the FY 1999 actual of 361,939 tons.

FUND 114

I-95 REFUSE DISPOSAL



Funding Adjustments

The following funding adjustments from the FY 2000 Revised Budget Plan are necessary to support the FY 2001 programs:

- An increase of \$39,084 to the implementation of the new Pay for Performance program in FY 2001. The new system links annual pay increases to employee performance.
- An increase of \$50,436 due to the implementation of the Market Pay Study. As a result of the Study, incumbents in job classes that are found to be one grade below the market will be moved to the appropriate grade and receive a 2.0 percent market adjustment. Incumbents classes found to be two or more grades below the market will be moved to the appropriate grade and receive a 4.0 percent market adjustment. In addition, funding is held in reserve to provide all employees with a 2.5 percent cost-of-living/market adjustment.
- A net decrease of \$37,025 in Personnel Services due to the abolishment of 1/1.0 SYE Heavy Equipment Operator position in FY 2000 that was redirected to the County's position pool.
- A decrease of \$591,597 in outside contractor expenses based on an average cost for three prior years adjusted for inflation in FY 2000 and FY 2001.
- A net increase of \$24,223 in all other miscellaneous operating expenses based on prior year actuals and projected requirements for FY 2001.
- An amount of \$370,500 is funded for Capital Equipment in FY 2001. This includes \$298,000 for replacement items based on the Department of Vehicle Service's recommendation and replacement criteria consisting of age, usage, condition, and maintenance cost relative to the average of that particular vehicle class. The amount represents the replacement of a Gradall - \$290,000 and a Salt Spreader - \$8,000. Other items recommended to be replaced includes three submersible pumps - \$60,000 based on their age, condition and maintenance cost, and five computers - \$12,500 scheduled for replacement in FY 2001.
- There are no new Capital Projects or funding for existing projects requested or recommended in Fund 114, Refuse Disposal, for FY 2001. This represents a decrease of \$23,784,374 from the *FY 2000 Revised Budget Plan*, which includes unexpended multi-year funding for Capital Projects carried forward to FY 2000 as part of the FY 1999 Carryover Review process. Expenditures for these projects are summarized in the Fund 114 Summary of Capital Projects.

The following funding adjustments reflect all approved changes in the FY 2000 Revised Budget Plan since passage of the FY 2000 Adopted Budget Plan. Included are all adjustments made as part of the FY 1999 Carryover Review and all other approved changes through December 31, 1999:

- As part of the FY 1999 Carryover Review, expenditures were increased a net \$24,004,220 that included \$205,131 for encumbered Capital Equipment, \$14,715 for unencumbered CMI savings for Capital Equipment and \$23,784,374 for unexpended project balances.
- During FY 2000, the County Executive approved redirection of extended vacant positions which resulted in a decrease of a 1/1.0 SYE Heavy Equipment Operator position for this fund. These redirected positions were identified for abolishment by staff to provide the County Executive with the ability to re-deploy those positions internally to address workloads and other factors as merited.

FUND 114

I-95 REFUSE DISPOSAL



Objectives

- To manage the I-95 Landfill in an efficient, environmentally safe manner, meeting 100 percent of the regulatory standards; and to provide a permitted site where ash resulting from the Energy Resource Recovery (ERR) Facility and other participating municipalities can properly be disposed.



Performance Indicators

Indicator	Prior Year Actuals			Current Estimate	Future Estimate
	FY 1997 Actual	FY 1998 Actual	FY 1999 Estimate/Actual	FY 2000	FY 2001
Output:					
Tons of ash received	368,288	337,197	335,657 / 361,939	355,672	355,672
Virginia Department Environmental Quality (DEQ) inspections addressed	4	4	4 / 4	12	12
Efficiency:					
Cost per ton to dispose of ash	\$24.00	\$20.00	\$16.00 / \$16.00	\$14.00	\$11.50
Man-hours spent per ton of ash disposed	63.9	59.0	54.0 / 59.7	59.3	59.3
Service Quality:					
Satisfactory DEQ Inspection reports ¹	4	4	4 / 4	12	12
Outcome:					
Percent satisfactory DEQ inspection ratings	100%	100%	100% / 100%	100%	100%

¹ Beginning in FY 2000, DEQ inspections were revised from quarterly to monthly.

A Fund Statement and a Summary of Capital Projects are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing projects" or projects for which funding is necessary on an ongoing basis (e.g., a contingency or planning project).

FUND 114

I-95 REFUSE DISPOSAL

FUND STATEMENT

Fund Type G10, Special Revenue Funds

Fund 114, I-95 Refuse Disposal

	FY 1999 Actual	FY 2000 Adopted Budget Plan	FY 2000 Revised Budget Plan	FY 2001 Advertised Budget Plan	FY 2001 Adopted Budget Plan
Beginning Balance	\$66,370,853	\$45,040,207	\$72,516,412	\$52,182,846	\$52,235,278
Revenue:					
Interest on Investments	\$3,514,401	\$2,810,192	\$2,810,192	\$2,480,026	\$2,480,026
Refuse Disposal					
Revenue:					
I-95 ERR (Ash)	4,358,377	3,826,592	3,826,592	3,031,078	3,031,078
Arlington/Alexandria					
ERR	1,471,326	1,188,292	1,188,292	1,000,500	1,000,500
County of Fairfax	317,395	171,192	171,192	420,000	420,000
District of Columbia	22,397	0	0	0	0
Lower Potomac	84,724	75,208	75,208	58,650	58,650
Subtotal	\$6,254,219	\$5,261,284	\$5,261,284	\$4,510,228	\$4,510,228
Miscellaneous Revenue:					
Sale of Equipment	\$7,129	\$3,200	\$3,200	\$37,000	\$37,000
Sale of Methane Gas	146,200	191,600	191,600	191,600	191,600
Miscellaneous					
Revenue	95,642	124,410	124,410	115,900	115,900
Subtotal	\$248,971	\$319,210	\$319,210	\$344,500	\$344,500
Total Revenue	\$10,017,591	\$8,390,686	\$8,390,686	\$7,334,754	\$7,334,754
Total Available	\$76,388,444	\$53,430,893	\$80,907,098	\$59,517,600	\$59,570,032
Expenditures:					
Personnel Services	\$1,657,832	\$1,747,728	\$1,660,342	\$1,800,223	\$1,843,372
Operating Expenses	2,022,137	2,831,104	2,854,508	2,263,730	2,263,730
Capital Equipment	105,927	141,200	372,596	370,500	370,500
Capital Projects	86,136	0	23,784,374	0	0
Subtotal Expenditures	\$3,872,032	\$4,720,032	\$28,671,820	\$4,434,453	\$4,477,602
COLA/MRA Reserve	0	0	0	43,149	0
Total Expenditures	\$3,872,032	\$4,720,032	\$28,671,820	\$4,477,602	\$4,477,602
Total Disbursements	\$3,872,032	\$4,720,032	\$28,671,820	\$4,477,602	\$4,477,602
Ending Balance	\$72,516,412	\$48,710,861	\$52,235,278	\$55,039,998	\$55,092,430

FUND 114 I-95 REFUSE DISPOSAL

FUND STATEMENT

Fund Type G10, Special Revenue Funds

Fund 114, I-95 Refuse Disposal

	FY 1999 Actual	FY 2000 Adopted Budget Plan	FY 2000 Revised Budget Plan	FY 2001 Advertised Budget Plan	FY 2001 Adopted Budget Plan
Reserves ¹					
Ashfill Closure/Liability ²	\$11,500,000	\$16,000,000	\$16,000,000	\$12,500,000	\$12,500,000
Closure/Post-Closure ³	43,508,276	14,843,939	18,368,356	19,531,304	19,583,736
Environmental ⁴	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Liner/Leachate System ⁵	10,500,000	10,858,592	10,858,592	16,000,000	16,000,000
Construction ⁶	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
PC Replacement ⁷	8,136	8,330	8,330	8,694	8,694
Unreserved Ending Balance	\$0	\$0	\$0	\$0	\$0
Disposal Rate/Ton ⁸	\$16.00	\$14.00	\$14.00	\$11.50	\$11.50

¹ Prior to FY 1996, draft proposals of Federal regulations concerning "Financial Assurance Requirements" would have required sanitary landfills to have dedicated and separate reserves (cash-on-hand) for closure, post-closure, care, and environmental mishaps/cleanups while operating, and prior to the closure. In anticipation of approval, the County established separate and dedicated reserves in order to comply with the regulations and to secure the level of reserves needed prior to closure of the landfill to municipal solid waste (MSW) in FY 1996. However, in revised regulations, local governments were not required to demonstrate these reserves. As a result, the Fund 114 reserve structure was revised to allow the pooling and immediate use of all reserve balances rather than the establishment and maintenance of separate untouchable reserves.

² Reserve for closure liability associated with the active part of the landfill currently accepting ash for disposal, and to meet future requirements as other ashfill portions become active.

³ Reserve required to meet the long-term maintenance requirements of the closed portions of the I-95 Landfill. The FY 1999 reserve amount also includes the closure cost for the remaining portion of the raw waste cells.

⁴ The Environmental Reserve has been established primarily for future environmental projects in order to remain in compliance with EPA guidelines.

⁵ Reserve required for the installation of future ashfill liners and the expansion of the leachate collection system.

⁶ The Construction Reserve provides funds to meet the requirements of current and future construction projects necessary for routing operations of the I-95 Landfill.

⁷ The PC Replacement Reserve was established in FY 1995 in order to meet requirements for the timely replacement of obsolete computer equipment.

⁸ FY 1999: \$16.00; FY 2000: \$14.00; FY 2001: \$11.50

COUNTY OF FAIRFAX, VA
FY 2001 SUMMARY OF CAPITAL PROJECTS

FUND TYPE:G10 FUND :114	SPECIAL REVENUE I-95 SOLID WASTE DISPOSAL (186)	TOTAL PROJECT ESTIMATE	FY 1999 ACTUAL EXPENDITURES	FY 2000 REVISED BUDGET	FY 2001 ADVERTISED BUDGET PLAN	FY 2001 ADOPTED BUDGET PLAN	FINANCING GENERAL FUND	FINANCING BOND	FINANCING OTHER
186420	REPAIR/MAINT/	1,026,645	.00	60,251.00					
186435	I-95 AREA 3 L		.00	8,666,697.00					
186440	I-95 LANDFILL		.00	2,917,342.00					
186450	I-95 LANDFILL		.00	27,632.00					
186455	PERIMETER FEN		4,100.00	58,690.50					
186460	AREA 7 ROADWA	258,000	.00	241,165.00					
186470	PAVED DITCH E		.00	362,818.00					
186600	METHANE GAS R		.00	2,021,288.52					
186650	I-95 LANDFILL	48,800,999	82,035.57	9,428,489.53					
FUND 114	SUBTOTAL	50,085,644	86,135.57	23,784,373.55					